

# APLIKASI PERAMALAN UNTUK MEMBANTU PENGUSAHA MAKANAN DAN MINUMAN MENENTUKAN PERSEDIAAN BUAH

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## Abstract

*Age of fruit is relatively short. This causes food and beverage entrepreneurs often difficult to determine the amount of supply of fruits in one period ahead. Excess inventory will cause fruit rot, while lack of fruit supplies causes the loss of customers or must several times to buy supplies of fruit. To help food and beverage entrepreneurs determine the amount of fruits in one period ahead, in this study was made an application of forecasting to determine the needs of fruit in future periods. Sales and stock adjustments data in the previous period were used to make forecasting. There were three methods used for forecasting, namely double exponential smoothing, seasonal and decomposition. As for the calculation error of each method was used Mean Square Error (MSE). Forecasting results that have the smallest error is the best result. Experimental results show that the decomposition method was better than double exponential smoothing and seasonal methods. Decomposition method provides the smallest of average of error, which is about 5%.*

*Keywords: Forecasting, Double Exponential Smoothing, Seasonal Forecasting Method, Decomposition, Fruits.*